INTERNATIONAL SEARCH REPORT

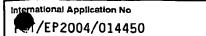


International Application No

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G01N33/58 G01N33/68					
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC				
	SEARCHED					
Minimum do IPC 7	Minimum documentation searched (dassification system followed by classification symbols)					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
	Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with Indication, where appropriate, of the rele	evant passages		Relevant to claim No.		
A	FIEHN O ET AL: "Metabolite profiling for plant functional genomics" NATURE BIOTECHNOLOGY 2000 UNITED STATES, vol. 18, no. 11, 2000, pages 1157-1161, XP002325275 ISSN: 1087-0156			1-22		
X	the whole document figures; table l page 1157, left-hand column, line 1159, left-hand column, line 10	rigures; table 1 rage 1157, left-hand column, line 1 - page 159, left-hand column, line 10				
		-/	,	 		
Further documents are listed in the continuation of box C. Patent family members are listed in annex.						
*Y document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention filing date. 'X' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another ditation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered in invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents; such combination being obvious to a person skilled in the art. 'S' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered in invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.				the application but soory underlying the state invention be considered to current is taken alone stated invention rentive step when the see other such docusto a person skilled stamily		
	9 April 2005		Date of mailing of the international search report 04/05/2005			
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NI. – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer Döpfer,	K-P			

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FIEHN O ET AL: "Identification of uncommon plant metabolites based on calculation of elemental compositions using gas chromatography and quadrupole mass spectrometry" ANALYTICAL CHEMISTRY 01 AUG 2000 UNITED STATES, vol. 72, no. 15, 1 August 2000 (2000-08-01), pages 3573-3580, XP002325276 ISSN: 0003-2700 cited in the application the whole document A WAGNER C ET AL: "Construction and application of a mass spectral and retention time index database generated from plant GC/EI-TOF-MS metabolite profiles" PHYTOCHEMISTRY, PERGAMON PRESS, GB, vol. 62, no. 6, March 2003 (2003-03), pages 887-900, XP004408975 ISSN: 0031-9422 the whole document			Fe// E/ 2004/ 014450
FIEHN 0 ET AL: "Identification of uncommon plant metabolites based on calculation of elemental compositions using gas chromatography and quadrupole mass spectrometry" ANALYTICAL CHEMISTRY 01 AUG 2000 UNITED STATES, vol. 72, no. 15, 1 August 2000 (2000-08-01), pages 3573-3580, XP002325276 ISSN: 0003-2700 cited in the application the whole document A WAGNER C ET AL: "Construction and application of a mass spectral and retention time index database generated from plant GC/EI-T07-MS metabolite profiles" PHYTOCHEMISTRY, PERGAMON PRESS, GB, vol. 62, no. 6, March 2003 (2003-03), pages 887-900, XP004408975 ISSN: 0031-9422 the whole document A ALLEGOOD JEREMY CHADWICK ET AL: "Use of isotopically labeled palmitate to examine de novo sphingolipid biosynthesis by LC-MS/MS: a metabolomic approach." FASEB JOURNAL, vol. 17, no. 4-5, March 2003 (2003-03), pages Abstract No. 628.6 URL-http://ww, XP002325277 & FASEB MEETING ON EXPERIMENTAL BIOLOGY: TRANSLATING THE GENOME; SAN DIEGO, CA, USA; APRIL 11-15, 2003 ISSN: 0892-6638 abstract MASHEGO M R ET AL: "MIRACLE: Mass isotopomer ratio analysis of U-13C-labeled extracts. A new method for accurate quantification of changes in concentrations of intracellular metabolites." BIOTECHNOLOGY AND BIOENGINEERING, vol. 85, no. 6, 20 March 2004 (2004-03-20), pages 620-628, XP002325278 ISSN: 0006-3592	C.(Continua		
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